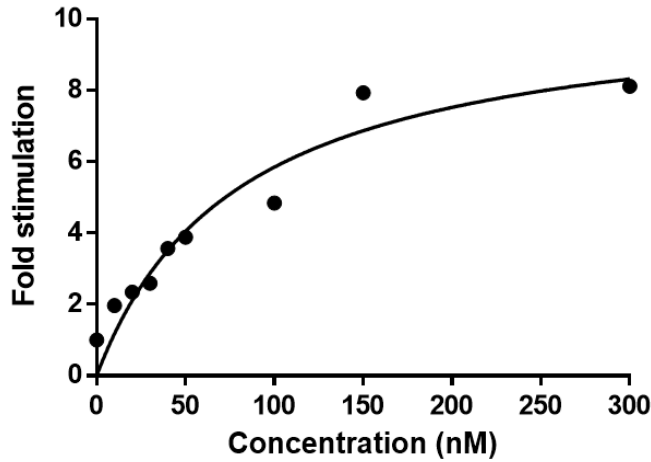
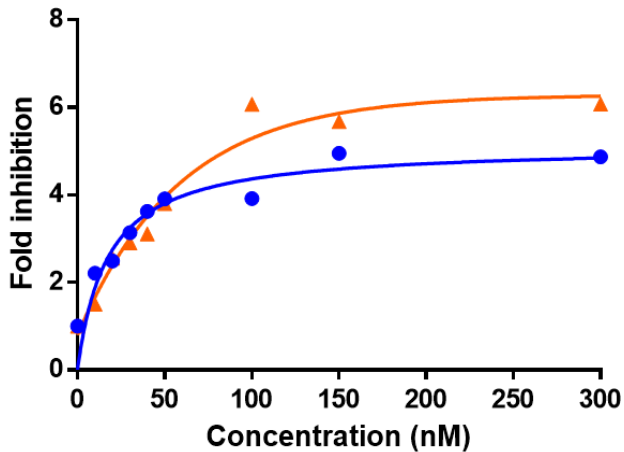


A.



B.



Supplementary Figure 1. p53^{WT} and p53^{R248W} display stronger affinity for DNMT3A^{WT} binding than DNMT3L. Titration curves of 10 nM DNMT3A^{WT} co-incubated for 1 hour at 37 °C with increasing concentrations of DNMT3L (A. ■), p53^{WT} (B. ■) or p53^{R248W} (C. ■) prior to the start of the reaction by the addition of DNA were used to determine apparent affinities (K_D^{app}). Fold stimulation (A) was defined as the product formed by DNMT3A^{WT} with DNMT3L divided by product formed by DNMT3A^{WT} without DNMT3L. Fold inhibition (B and C) was determined by product formed by DNMT3A^{WT} alone divided by product formed by DNMT3A^{WT} with p53^{WT} or p53^{R248W}. Reactions were carried out at 37 °C for 1 hour following the addition of DNA (5 μ M bp poly dI-dC). Data reflect the results of 3 experiments.